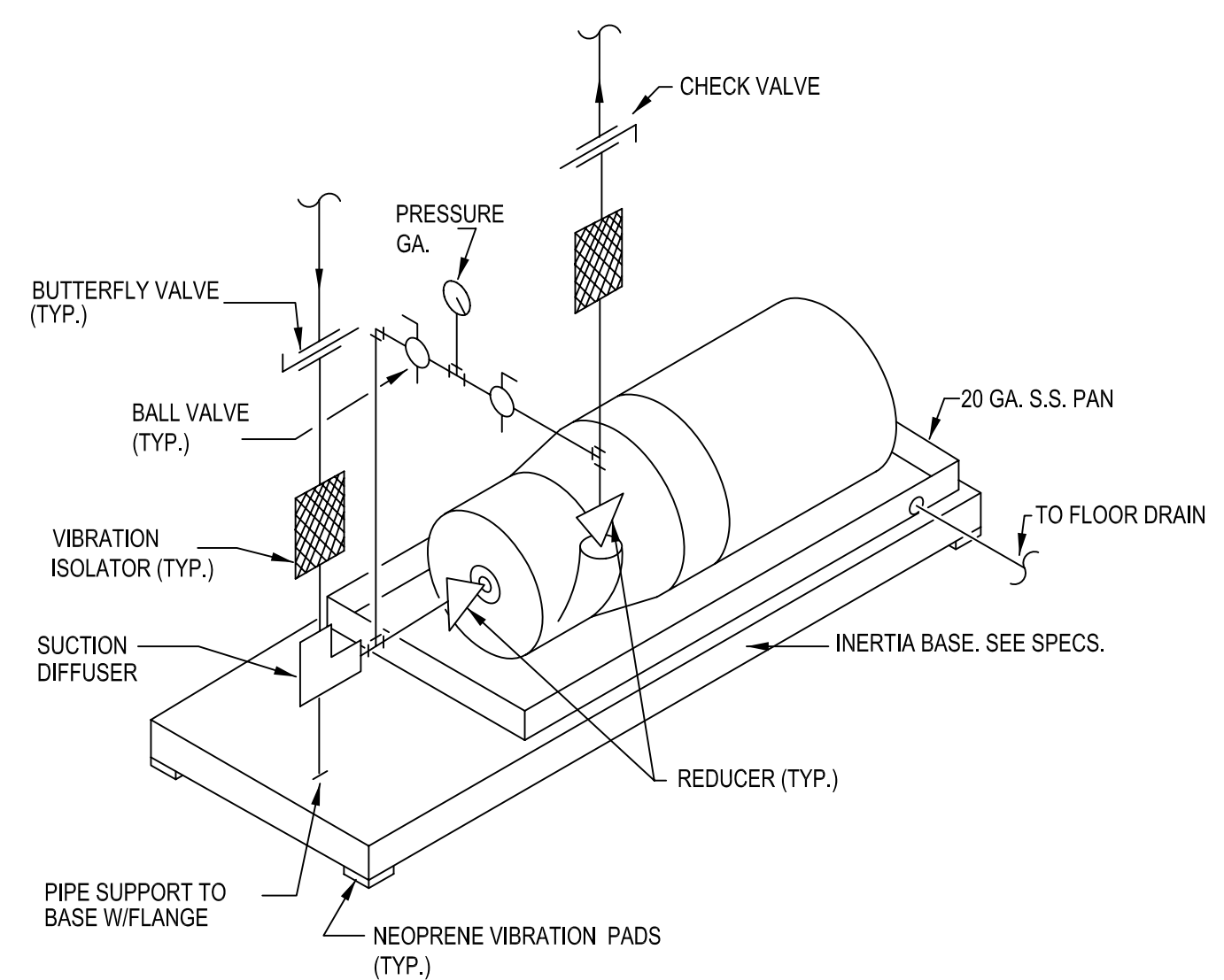
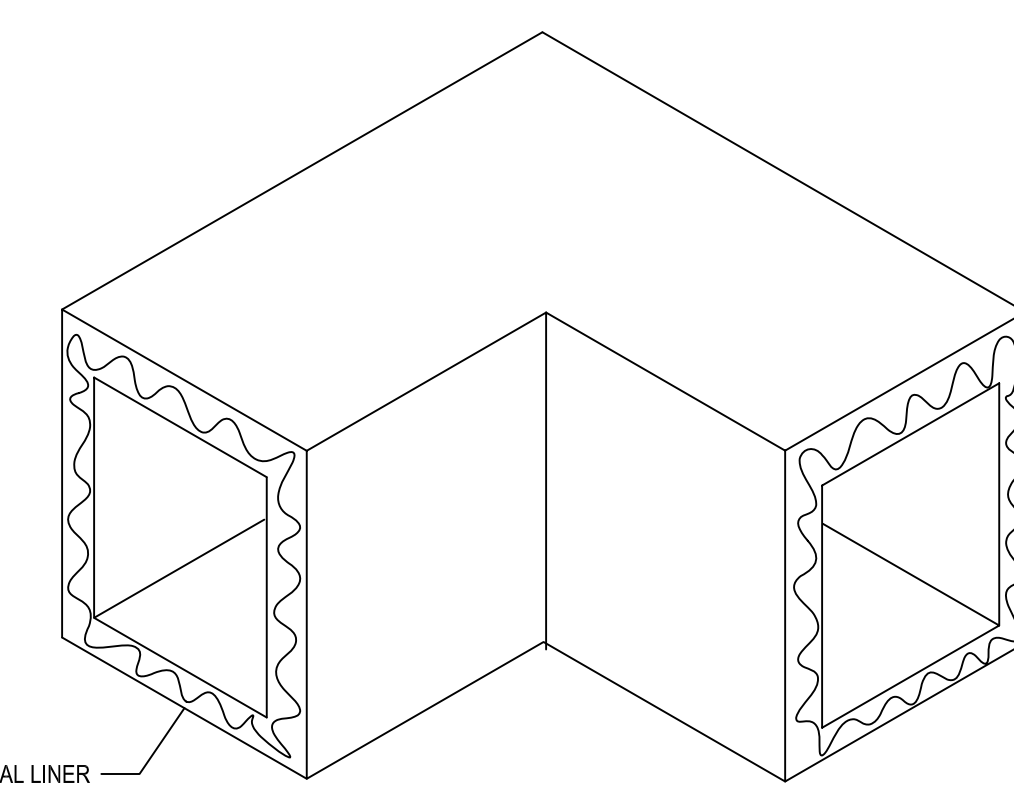


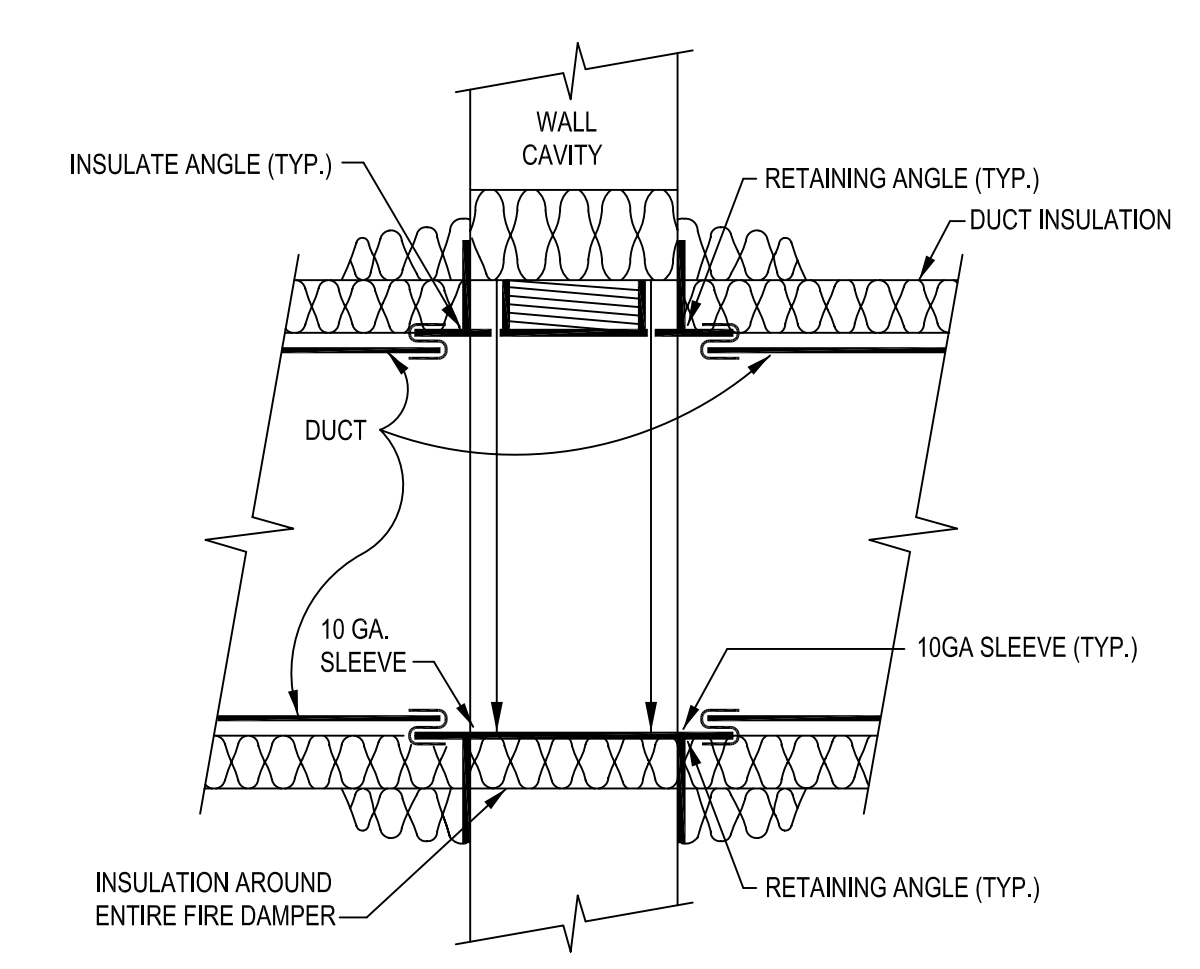
**3-CELL COOLING TOWER PIPING DETAIL**  
NO SCALE



**PUMP PIPING DETAIL**  
NO SCALE

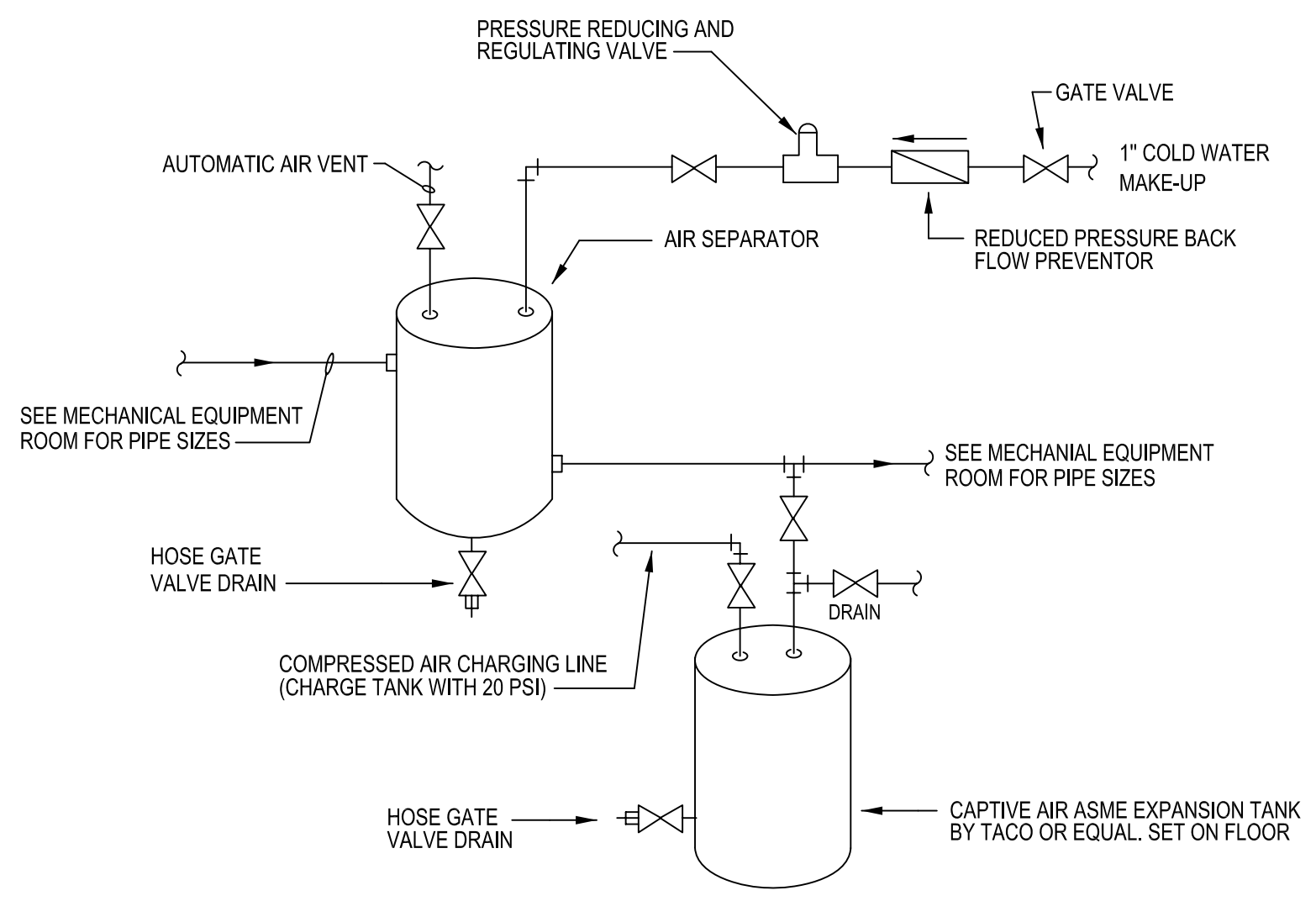


**SOUND TRAP DETAIL**  
NO SCALE

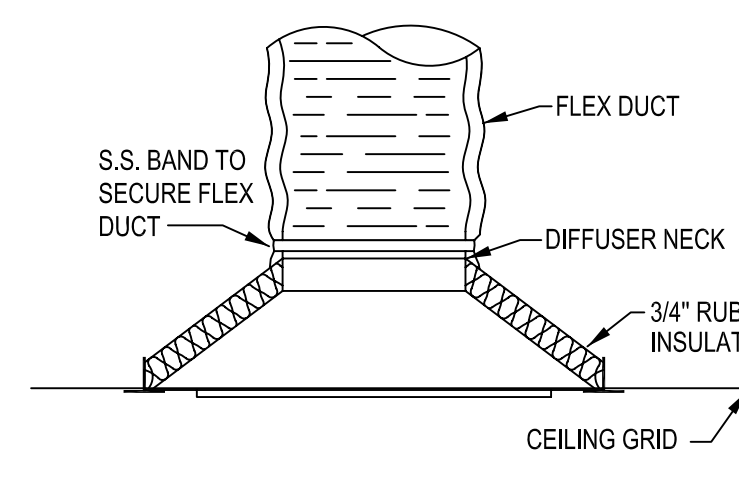


**FIRE DAMPER AND INSULATION INSTALLATION DETAIL**  
NO SCALE

NOTE: COORDINATE INSTALLATION OF FIRE DAMPER AND INSULATION WITH ARCHITECTURAL WALL CONSTRUCTION AND INSTALLATION

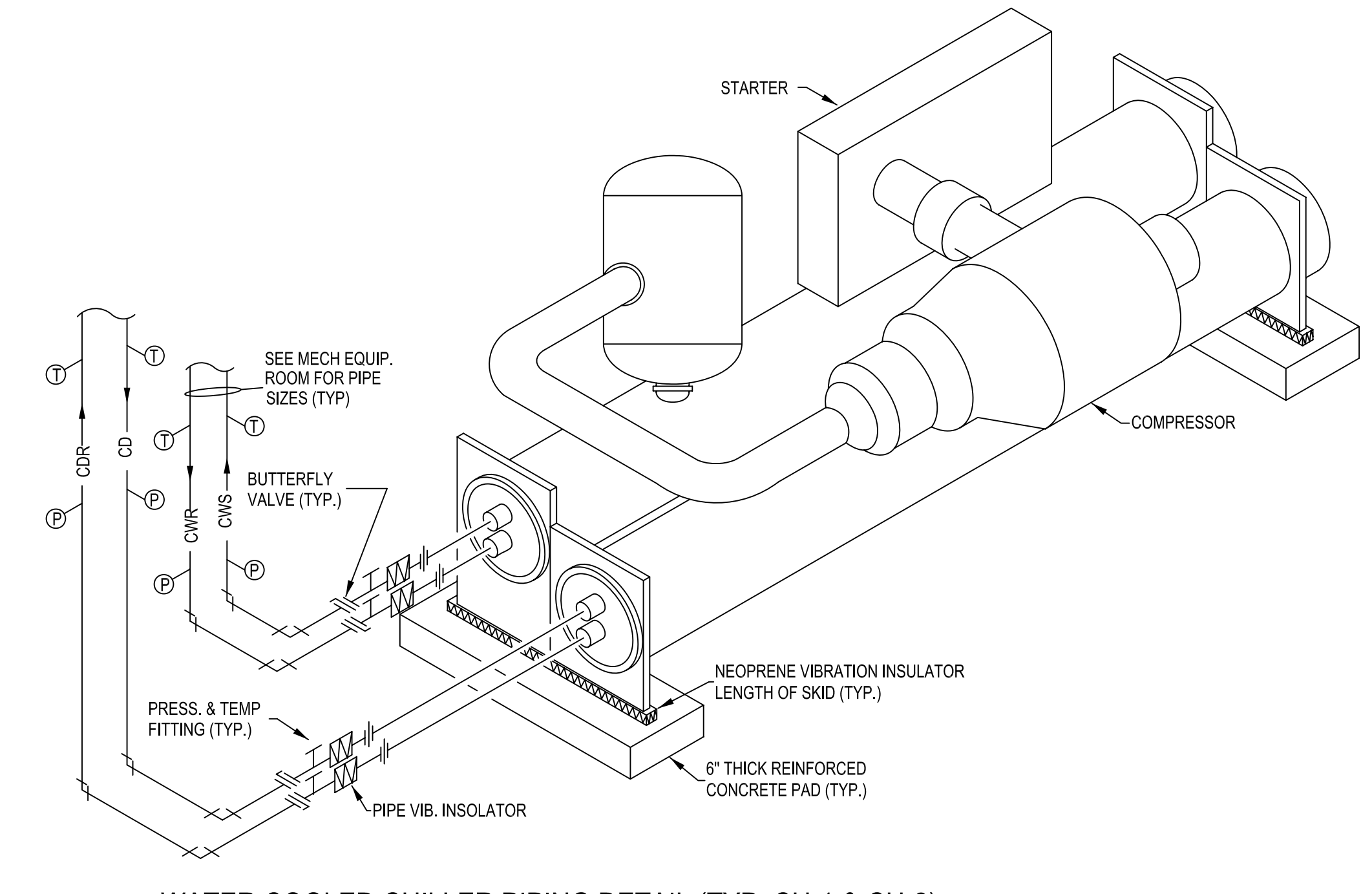


**EXPANSION TANK PIPING DETAIL**  
NO SCALE

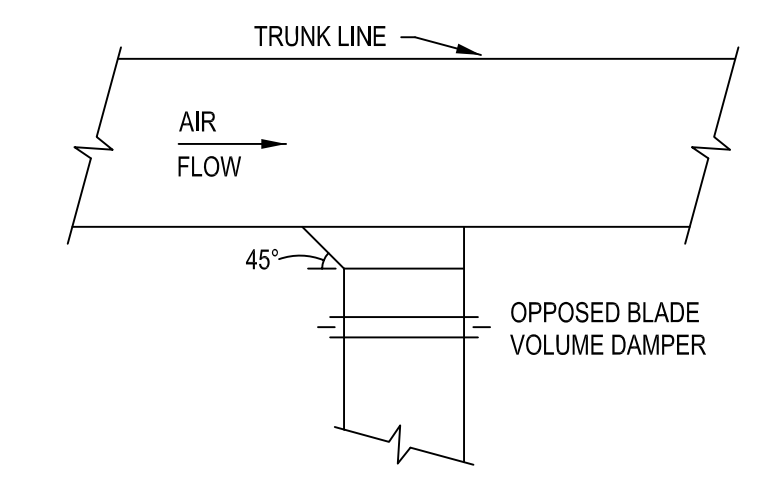


**DIFFUSER INSULATION DETAIL**  
NO SCALE

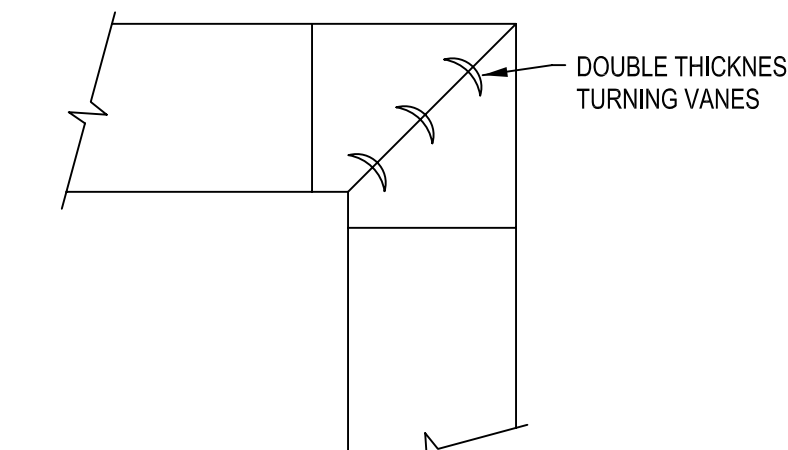
NOTE: ALL SEAMS SHALL BE PROPERLY SEALED AND INSULATION GLUED TO BACK OF DIFFUSER. INSULATION SHALL COVER ENTIRE DIFFUSER AND NECK.



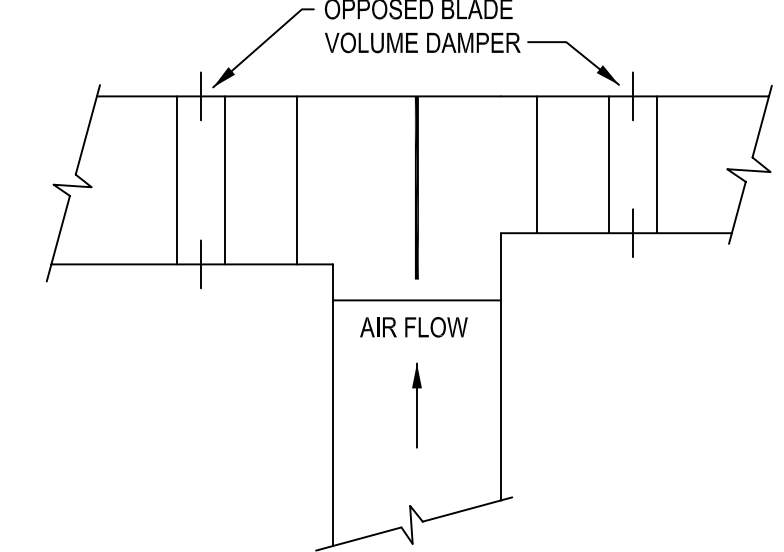
**WATER COOLED CHILLER PIPING DETAIL (TYP. CH-1 & CH-2)**  
NO SCALE



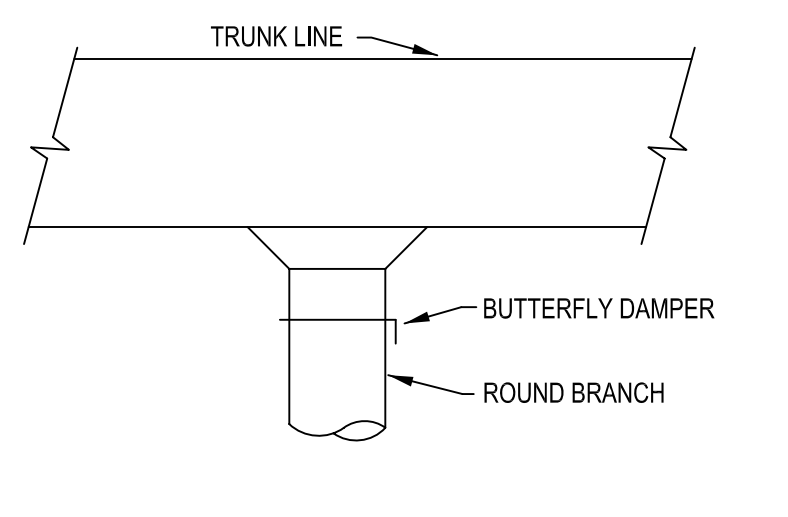
**RECTANGULAR BRANCH DUCT TAKE-OFF**



**90° ELBOW**

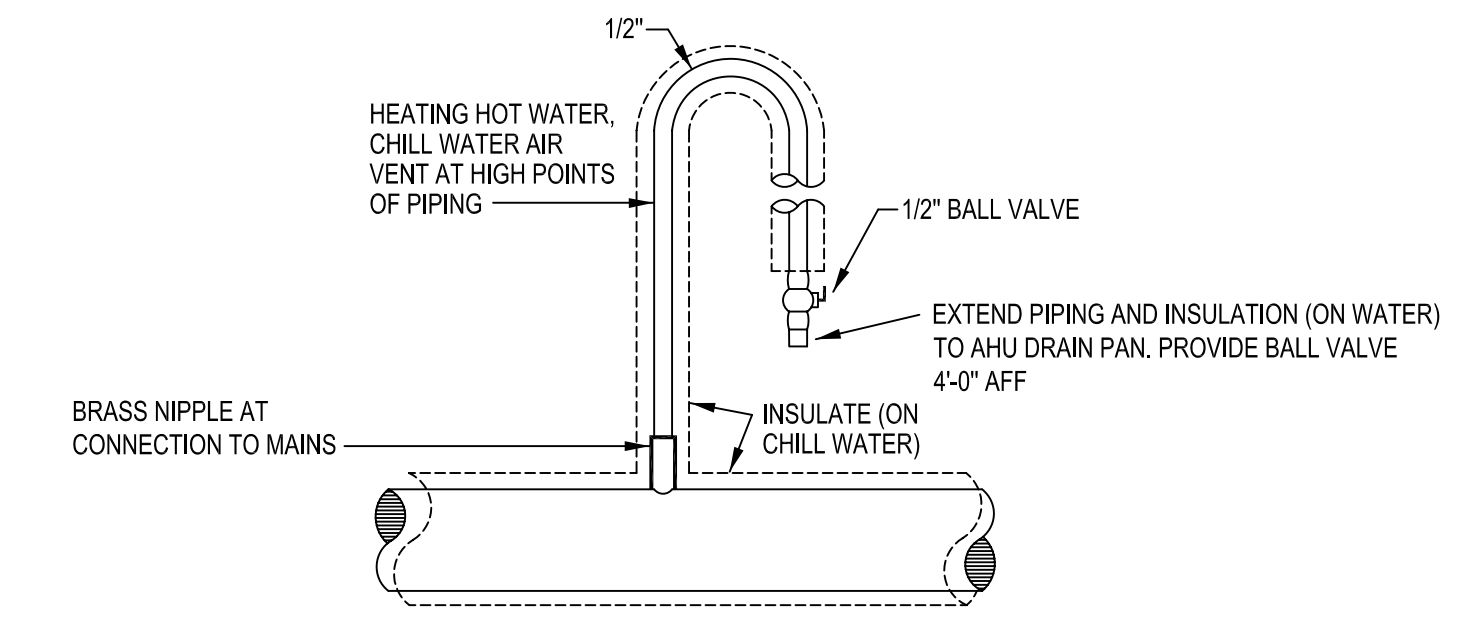


**SPLITTER DAMPER**

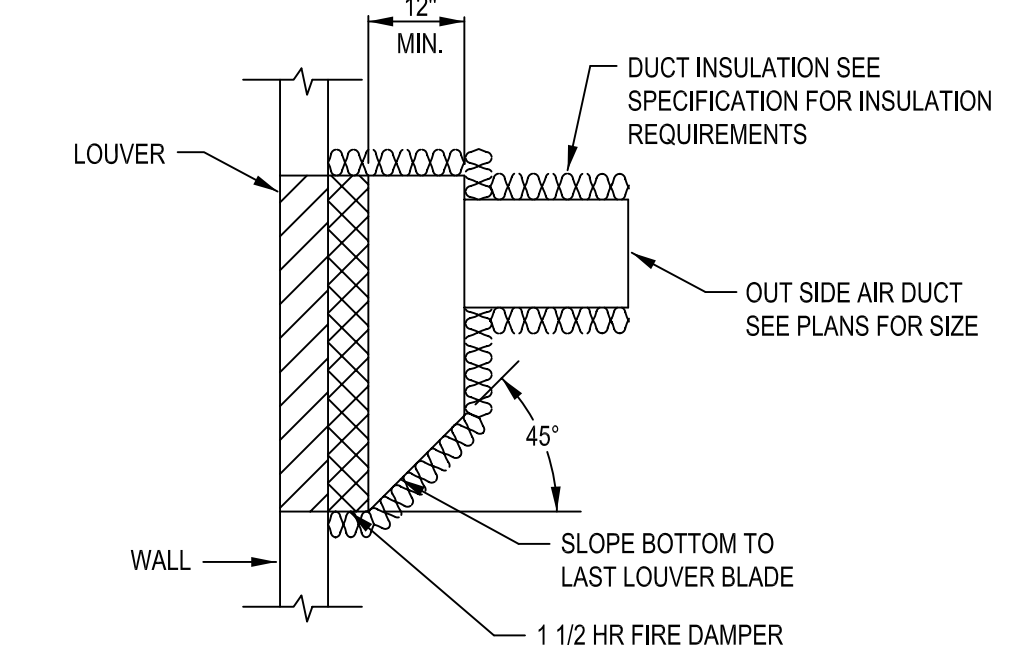


**ROUND BRANCH DUCT TAKE-OFF**

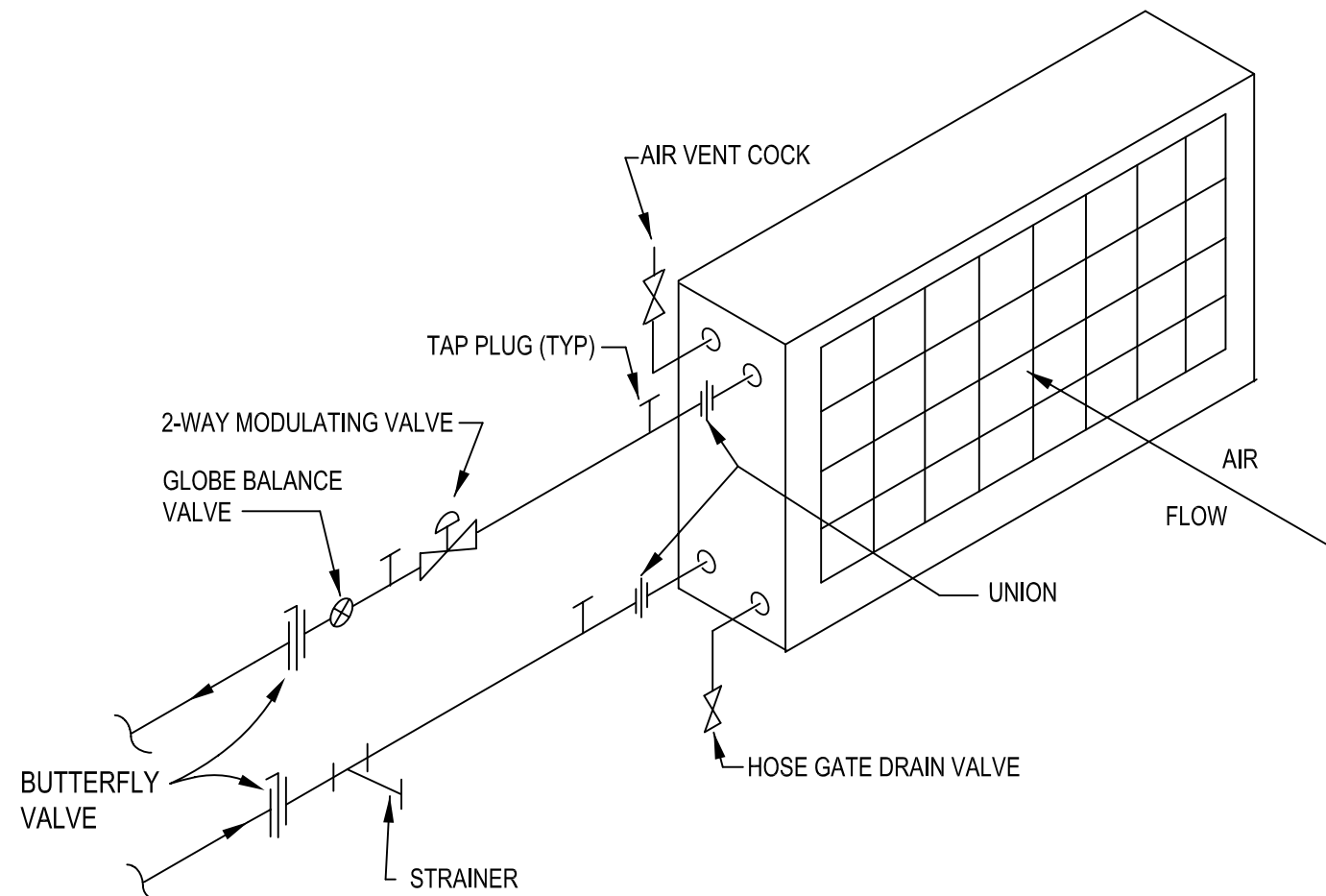
**DUCT DETAILS**



**AIR VENT DETAIL**  
NO SCALE

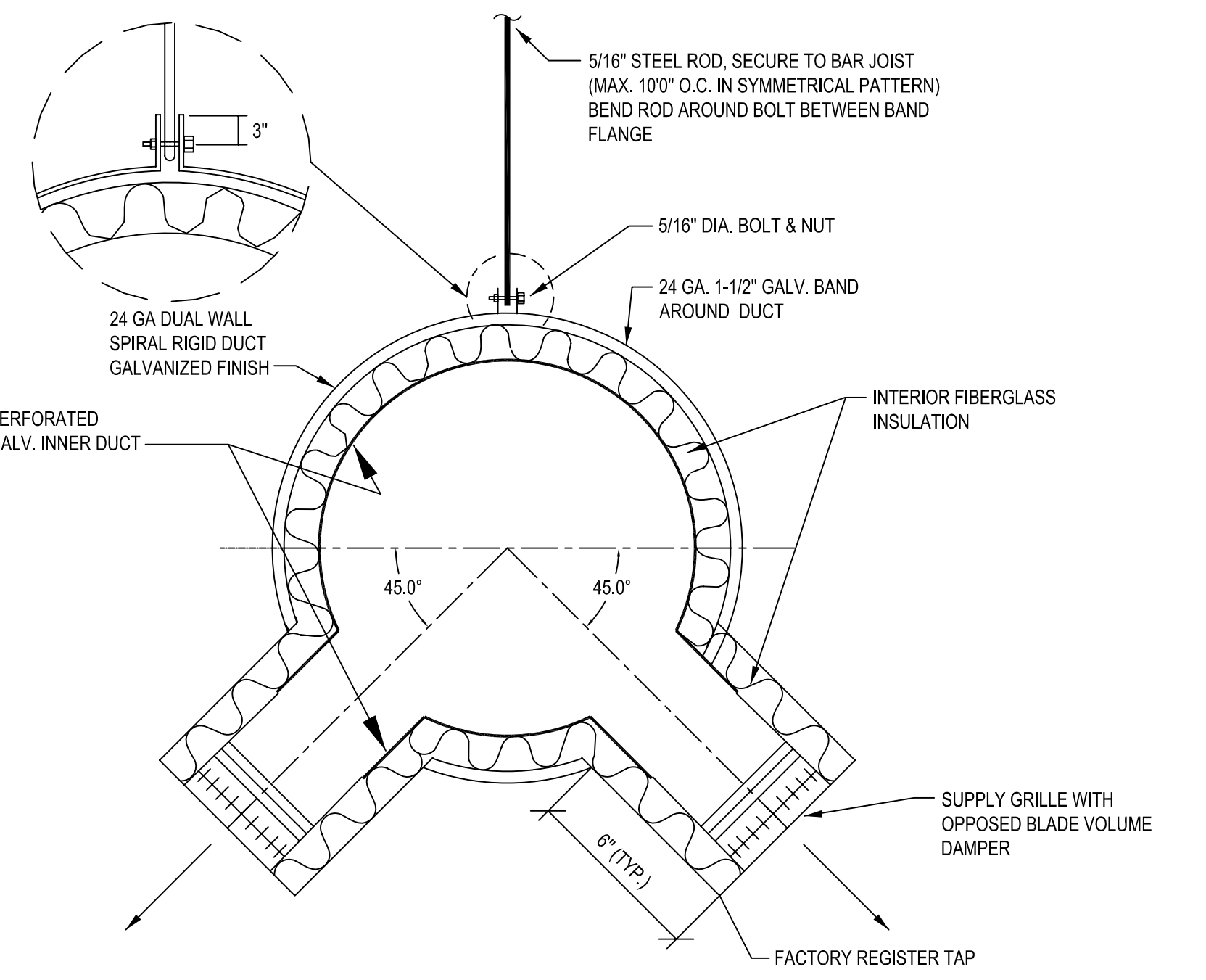


**OUTSIDE AIR / LOUVER INSTALLATION DETAIL**  
NO SCALE

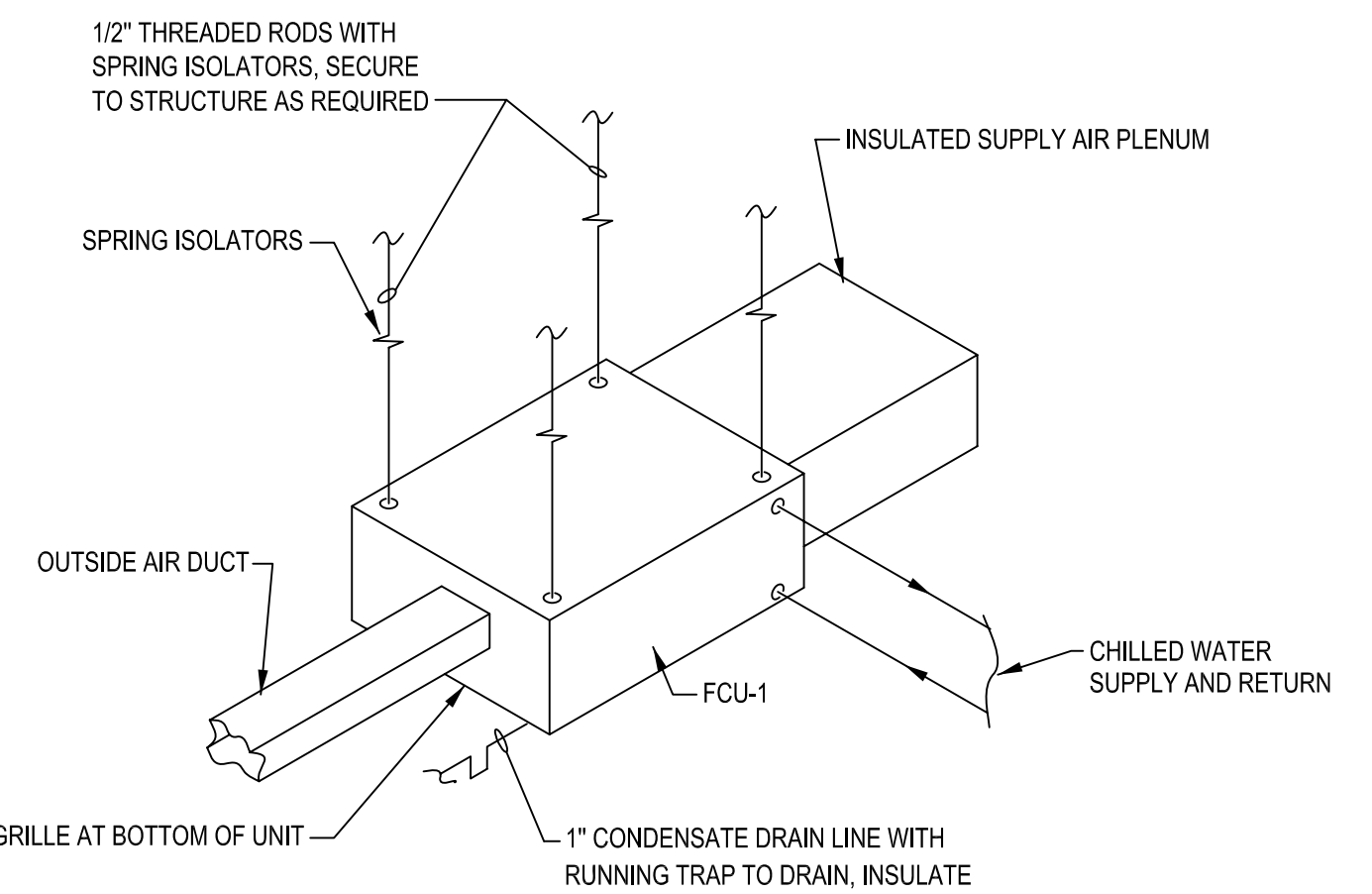


**2-WAY VALVE COIL PIPING DETAIL**  
NO SCALE

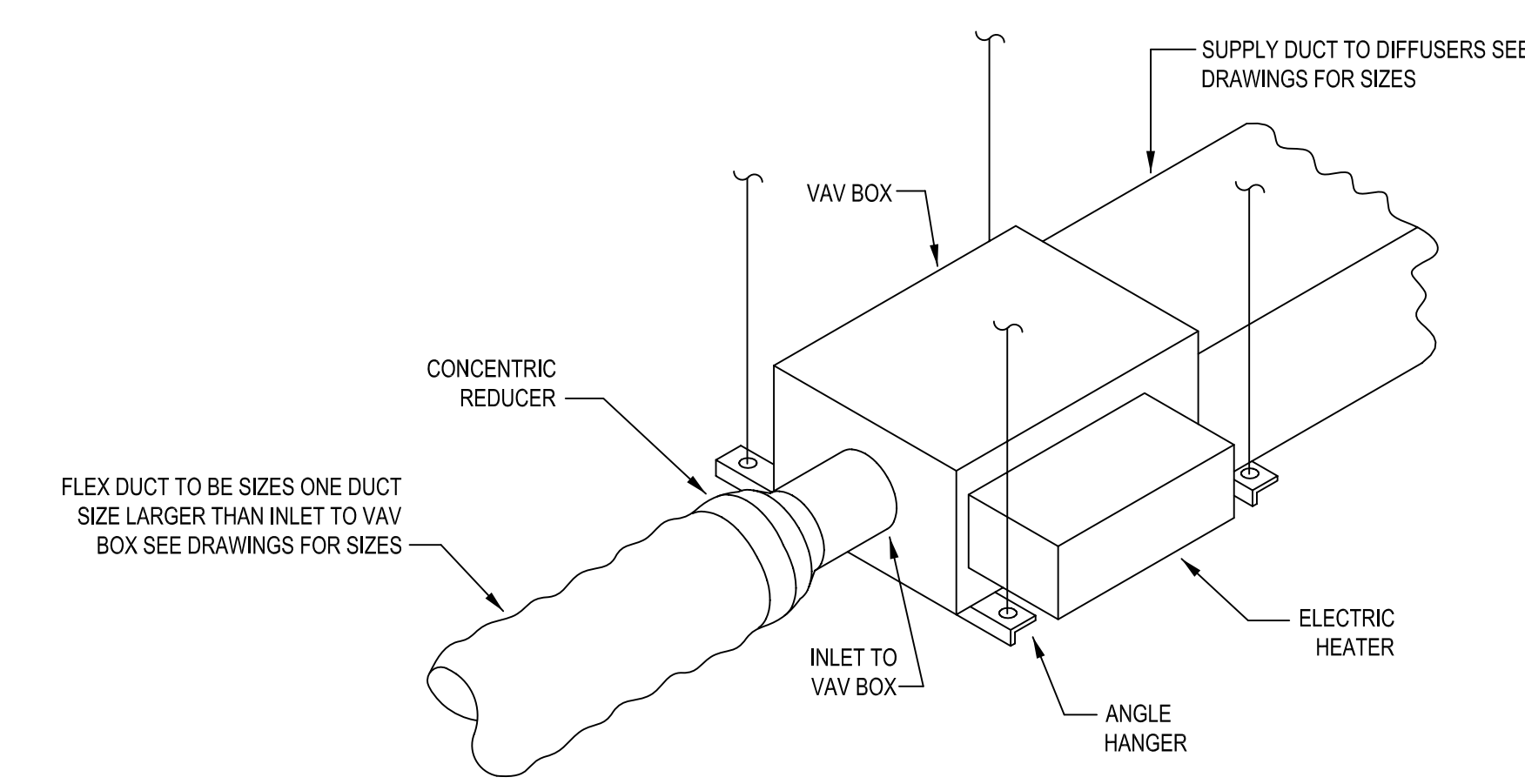
SEE PLANS FOR PIPE SIZES  
NOTE: PROVIDE 3 WAY VALVE FOR AHU 4-2



**SPIRAL DUCT SUPPORT DETAIL**  
NO SCALE



**FAN COIL UNIT INSTALLATION DETAIL**  
NO SCALE



**VAV BOX INSTALLATION DETAIL**  
NO SCALE



MARK	DATE	DESCRIPTION
△	2/22/06	PROG. REVIEW #1
△	3/10/06	PROG. REVIEW #2
△	3/27/06	PROG. REVIEW #3
△	4/10/06	PROG. REVIEW #4
△	5/3/06	PRELIM. DESIGN

NGB PROJECT NO.: 220027

PRELIMINARY DESIGN

DRAWING TITLE:  
MECHANICAL DETAILS

DRAWING NUMBER:

**LUCIEN T. VIVIAN JR. & ASSOC., INC.**  
CONSULTING ENGINEERS  
121 HICKORY AVENUE HARAHAN, LA 70123 (504) 228-5409

These drawings are conceptual in nature and are not suitable for construction. It is the intent of these documents to clearly delineate the baseline minimum scale, scope and quality of the project. It is the responsibility of the design-builder that his proposal provides for a complete and functional facility responding to relative Army National Guard criteria, recognized industry standards and applicable building codes regardless of the content of these conceptual drawings. Further, it will be the responsibility of the successful design-builder and his architect of record to prepare complete construction documents responding to the fullest intent of the conceptual drawings and specifications.